

DERWENT-ACC-NO: 1989-354783

DERWENT-WEEK: 198948

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TITLE: Chamber for climatic testing
of agricultural machines -
has partitioned chamber
forming annular channels equipped
with dust batcher

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PRIORITY-DATA: 1986SU-4174221 (December 2, 1986)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE
SU 1479795 A		May 15, 1989
N/A	002	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
SU 1479795A	N/A	
1986SU-4174221	December 2, 1986	

INT-CL (IPC): F24F007/06

ABSTRACTED-PUB-NO: SU 1479795A

BASIC-ABSTRACT:

The chamber for testing the behaviour of vehicles such as agricultural machines, in a dust-laden air flow, has a

lengthwise partition (3) inside a housing (2) to form an annular air duct (4) with zones (5,6) for processing the air and the test object. Zone (5) contains an axial-flow fan (7) on the end of a shaft (8) driven by an electric motor (9), and at the outlet of zone (5) there is a surface air cooler (10) with coolant supply pipes (11). Partitions (12) divide the duct (4) into channels (13), to which a dust doser (14) is connected, and the housing (2) and the partitions (12) have double walls forming closed chamber (15) to which the coolant feed pipes are linked, bringing down the temperature of the air as it is heated during its circulation.

ADVANTAGE - More reliable operation while
simulating dust-laden air flow.
Bul.18/15.5.89

CHOSEN-DRAWING: Dwg.1/1

DERWENT-CLASS: Q74